

Application Serial No: 10/519,779
Responsive to the Office Action mailed on: August 22, 2007

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IN THE CLAIMS

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An image sensor module comprising:
an image sensor chip mounted on a substrate;
a housing installed on the substrate and having a step portion for retaining a lens above the image sensor chip;
a lens unit placed on the step portion for forming an image of an object on the image sensor chip; and
a lens retainer installed on the housing;
wherein the lens retainer comprises an elastically deformable portion, and the lens unit is pressed against the step portion of the housing by a biasing force caused by the elastically deformable portion; and
wherein the lens unit comprises a combination of a first lens and a second lens, the first lens including a flat contact face and a concave lens face, the second lens including a flat contact face for contact with the flat contact face of the first lens, the second lens further including a convex lens face that is spaced from the concave lens face and projects beyond the flat contact faces of the first and second lenses into a recessed space defined by the concave lens face of the first lens.
2. (Original) The image sensor module according to claim 1, wherein the lens retainer further comprises a first portion fixed to an upper face of the housing, and a second portion held in contact with an upper face of the lens unit, the elastically deformable portion being disposed between the first portion and the second portion.
3. (Original) The image sensor module according to claim 2, wherein the first portion of the lens retainer is formed with a projection, the upper face of the housing

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being formed with a recess for engagement with the projection.

4. (Original) The image sensor according to claim 2, wherein the lens retainer covers a portion of the upper face of the lens unit except for a predetermined central area of the lens unit.

5. (Original) The image sensor module according to claim 2, wherein the lens unit includes an upper portion protruding above the upper face of the housing.

6. (Original) The image sensor module according to claim 2, wherein the lens retainer includes an intermediate portion between the first portion and the second portion, the intermediate portion being formed with a recess for thickness reduction.

7. (Cancelled)

8. (Currently Amended) The image sensor module according to claim 1 [[7]], wherein the first lens has a positioning projection, the second lens having a recess for engagement with the positioning projection.

9. (Original) The image sensor module according to claim 1, further comprising an additional step portion located below the first-mentioned step portion, and an optical filter installed on the additional step portion.

Claims 10-20. (Cancelled)